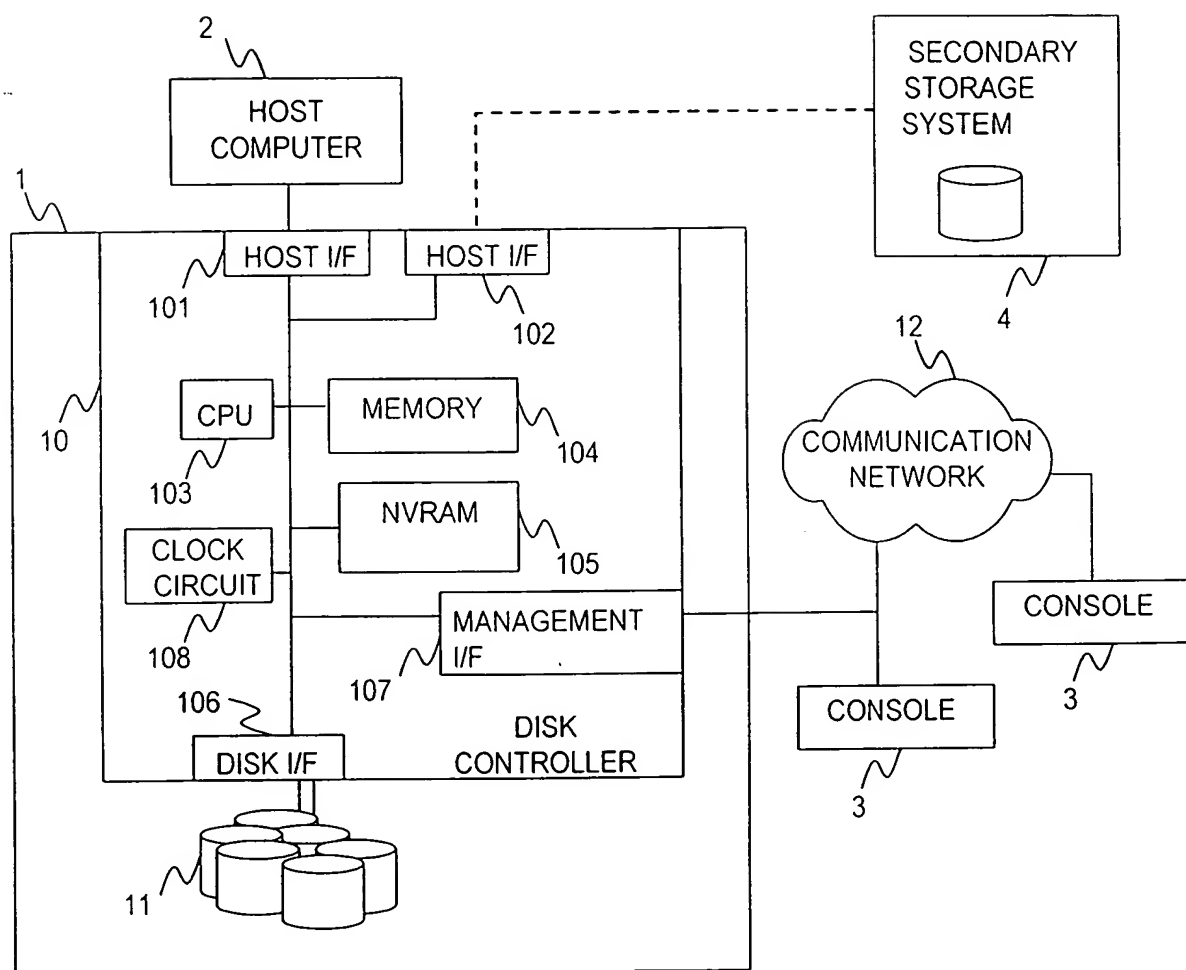
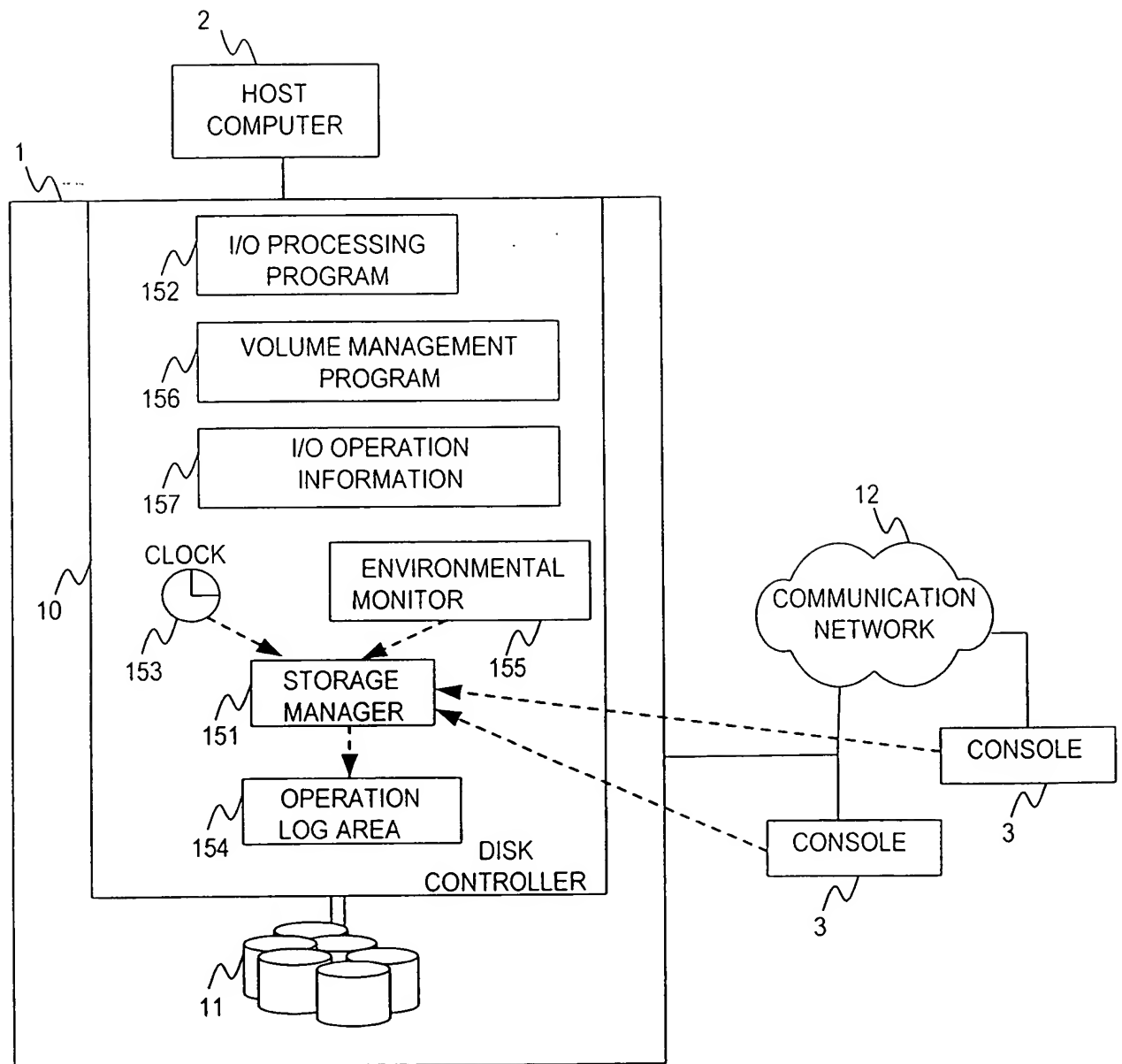


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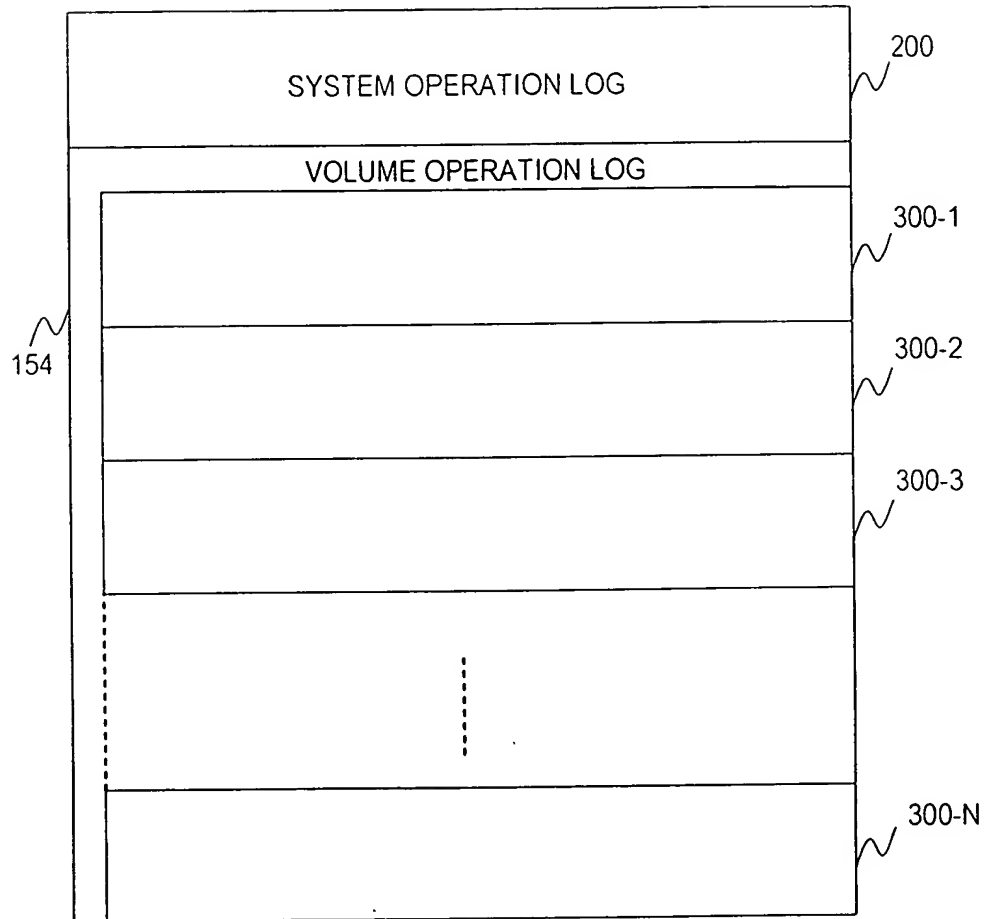
**FIG. 1**

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**FIG. 2**

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**FIG. 3**

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300

301 TIME	302 OPERATION
Jun. 1, 2000 12:00	SET WRITE PROTECTION MODE PERIOD: 3YEARS
Jun. 4, 2000 11:00	CREATE COPY PAIR VOLUME AS PRIMARY SECONDARY VOL ID=20
Dec. 22, 2000 2:50	REMOVE HDD HDD ID=04, Ser.No: XXXXXXXXX
Dec. 22, 2000 2:50	REPLACE HDD HDD ID=60, Ser.No: YYYYYYYYY
⋮	⋮

**FIG. 4**

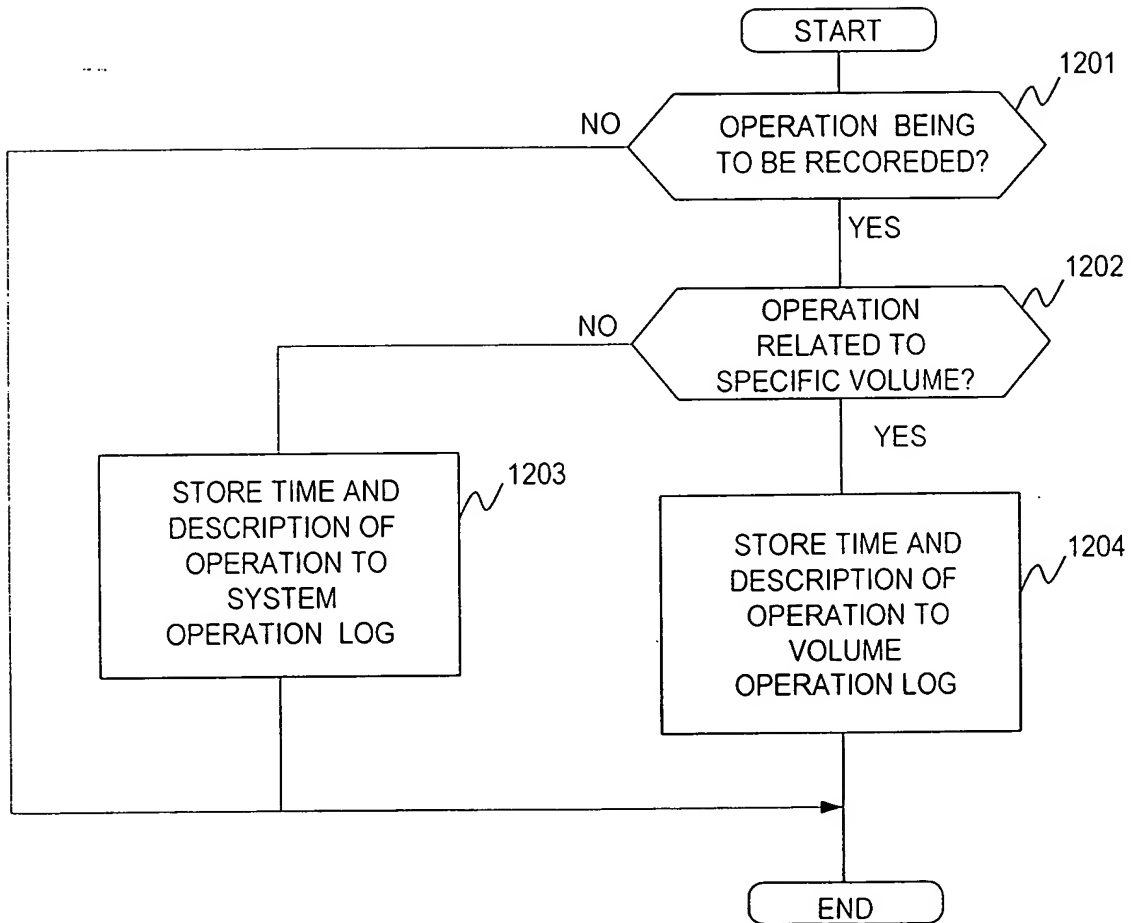
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200

201 TIME	202 OPERATION
Jan. 1, 2000 12:00	INSTALL HDD HDD ID=00, Ser.No: aaaaaaaa HDD ID=01, Ser.No: bbbbbbbb .....
Mar. 4, 2000 09:00	CREATE LOGICAL VOLUME VOL ID=20, HDD ID=00,01,02,03 size=20GB VOL ID=21, HDD ID=10,11,12,13 size=15GB
Mar. 22, 2000 14:50	REMOVE HDD HDD ID=04, Ser.No: XXXXXXXX
⋮	⋮

**FIG. 5**

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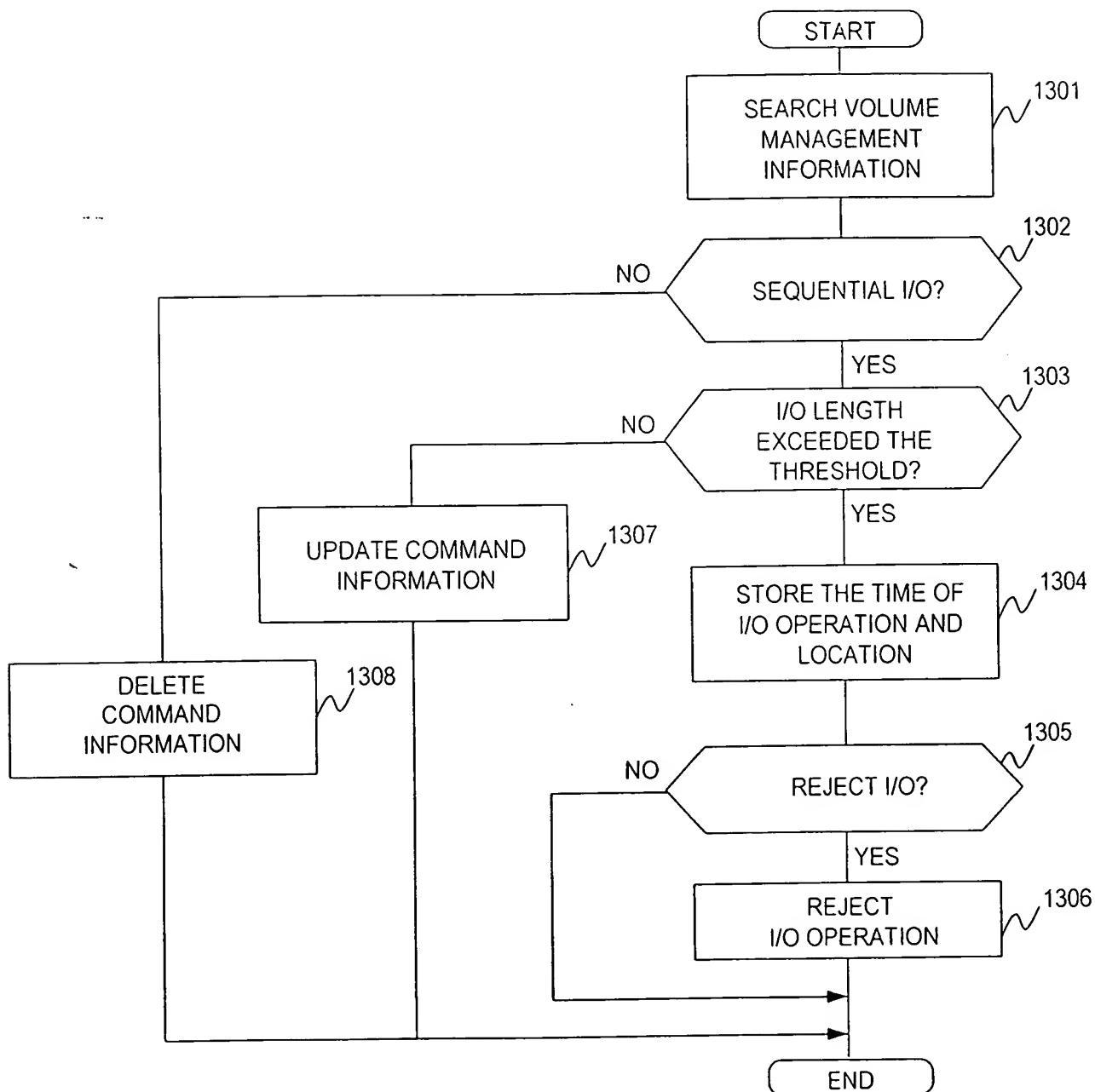
**FIG. 6**

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401	402	403	404	405	406
VOL ID	START TIME	START LBA	LAST TIME	LAST LBA	FLAG
1	Jun. 1, 2000 12:00.02.000	0	Jun. 1, 2000 12:10.32.984	0X00000E0A	ON
2	Jun. 4, 2000 09:32.00.382	0X00000100	Jun. 4, 2000 11:04.25.004	0X00000122	OFF
3	0	0	0	0	ON
157	⋮	⋮	⋮	⋮	⋮
N	Jun. 1, 2000 12:00.00.020	0X00000100	Jun. 1, 2000 12:10.32.984	0X000003EA	ON

**FIG. 7**

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**FIG. 8**